

CV for Steen Solvang Jensen

Personal data

Name: Steen Solvang Jensen
Civil status: Born December 25, 1960, Denmark. Married and has three children.
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Profession: Senior Researcher, Head of Section of Atmospheric Environment: Emissions and Atmospheric Modelling, Co-coordinator of Strategic Growth Area for Sustainable Energy, Climate and Society.

Education: PhD from Institute of Environment, Technology and Social Studies, Roskilde University, Denmark, 1999. MSc (Eng) from Aalborg University, Denmark with a degree in planning, 1988.

Employment: 2019-present: Head of Section. 2019-2022: Co-coordinator of Strategic Growth Area for Sustainable Energy, Climate and Society. 2016-2018: Coordinator of Strategic Growth Area for Sustainable Energy and Environment. 2012-2015: Coordinator of Science Program for Sustainable Energy and Environment, 2002-present: Senior Scientist. 2006-2007: Visiting scientist at University of Washington, Department of Civil & Environmental Engineering, Seattle, USA, (12 months). 1999-2002: Researcher at the Department of Atmospheric Environment, National Environmental Research Institute (NERI). 1995-1999: PhD student at the Department of Atmospheric Environment, NERI, Denmark enrolled at the Institute of Environment, Technology and Social Studies, Roskilde University, Denmark. 1990-1995: Consultant at the Department of Traffic Planning, COWI, private consulting engineers and planners, Denmark. 1989-1990: Desk officer, Department for International Affairs, Danish Road Directorate. 1989-1989: Research assistant, Physical Laboratory III, Technical University of Denmark (DTU).

Publications: 92 peer reviewed journal articles; 20 peer reviewed conference articles, 46 proceedings and other scientific papers, 148 scientific presentations at international conferences and seminars; 3 scientific contributions to books; 110 advisory reports, 5 contributions to popular books, 46 popular articles & reports; 50 popular presentations. H-index=30, 2,897 citations in Web of Science and H-index=38, 6,433 citations in Google Scholar per June 2023. He has been interviewed to the media numerous times for national and regional TV and radio, newspapers, and magazines. Full list of publications see CV: <http://person.au.dk/en/ssj@envs.au.dk>

Scientific focus areas: Research and development of integrated modelling systems for air pollution and human exposures for application in air pollution epidemiological studies and as decision-support systems in urban air quality management. Research and development of systems to assess the environmental and health impacts of renewable energy systems and technologies for transport (electricity, hydrogen, biofuels), wood stoves and ships. Mapping, impact assessment, scenario analysis, and policy options within emission, air quality, human exposures, health and external costs of air pollution. Urban air quality assessment and management systems and its relations to urban and traffic planning. Traffic emission modelling and emission inventories.

Key qualifications

Steen Solvang Jensen has worked as project manager within research, consultancy and administration, and has acted as an advisor for the Danish Environmental Protection Agency and international development agencies. His main qualifications include:

- Research and development of integrated modelling systems for air pollution and human exposures for application in air pollution epidemiological studies and as decision-support systems in urban air quality management
- Research and development of systems to assess the environmental impacts of renewable energy systems and technologies (hydrogen, biofuels, biomass)
- Mapping, impact assessment, scenario analysis, and policy options within emission, air quality, human exposures, health impacts and external costs of air pollution
- Urban air quality management systems and its relations to urban and traffic planning
- Traffic emission modelling and emission inventories
- Development expertise of Geographic Information Systems (GIS) and application expertise of Global Positioning Systems (GPS).

Committees: Member of expert committee on air pollution and health effects for Municipality of Copenhagen, Health Care System, 2021-

Member of Danish Health Authority Advisory Scientific Committee on Environmental Health, 2020-
Program Committee of Traffic Conference at Aalborg University, Denmark (2010-present).

Expert panel member for ambient air quality for evaluation of city applications for the European Green Capital Award 2014, 2015, 2016, and 2017 cycles for the EU Commission (2012-2015).

Management experience: Steen Solvang Jensen has a proven record of successfully managing multi-centre, multi-disciplinary research projects for the Danish Council for Strategic Research: the HYSCENE project on Environmental and Health Impact Assessment of Scenarios for Renewable Energy Systems with Hydrogen, 2006-2008. He was also WP Leader of environmental and health impact assessment of biofuels in the transport sector in the REBECa project 2007-2011. He has also headed an assessment of air quality and population exposure of a wide range of policy options within transportation at the urban scale with Copenhagen as case study area as part of the EU project Assessing Sensitiveness to Transport (ASSET) 2007-2009. He was PI for a multi-disciplinary research project on Biogas for transportation – in a resource, environmental, and welfare economic perspective funded by Aarhus University during 2014-2017. WP leader in a MUDP (Danish EPA development and demonstration program) research project on maritime emission abatement measures during 2017-2022. PI on research project funded by Nordic working group for Climate and Air (NKL) during 2022-2023 on analysis of new WHO Air Quality Guidelines in the Nordic countries and Europe based on monitoring data and air quality and health effect modelling. He has as a project leader coordinated a large number of R&D and research-based advisory projects for the Danish Ministry of Environment and Foods, Danish EPA, Danish municipalities, Danish Regions, Danish Road Directorate, the Danish Co-operation for Environment and Development (DANCED), the Danish Co-operation for Environment in Eastern Europe (DANCEE) and the Danish International Development Agency (Danida).

International relations and experience:

Mobility: I was a visiting scientist at University of Washington, Department of Civil & Environmental Engineering, Seattle, USA, 2006-2007 (12 months) with professor Tim Larson within air quality modelling and human exposure assessment in a large American air pollution epidemiological study.

International expert: I served as an expert panel member for ambient air quality for evaluation of city applications for the European Green Capital Award for the EU Commission (2012-2015) that involved a larger international team of experts and visiting selected European cities.

International projects: I have acted as project leader and WP leader for research and consulting projects for EU Commission (FP6 project), EU Commission DG Environment, Danish Co-operation for Environment and Development (DANCED), Danish Co-operation for Environment in Eastern Europe (DANCEE) and Danish International Development Agency (DANIDA), that has included short-term working stays in Romania, Latvia, South Africa, Kenya, Nepal and China.

Supervision of international students and specialists: I have been main-supervisor and co-supervisor for five PhD students from Vietnam, Egypt, Pakistan, Brazil and France, hosted and supervised young researchers and students from Turkey and France. I have organized and conducted courses for specialists from Romania, Latvia and China.

Research proposal evaluation: I have evaluated research proposals for National Science Foundation, USA, Irish Environmental Protection Agency (ERTDI programme), Medical Research Council (MRC) in UK and Norwegian Research Council. Appointed as reviewer for EU FP7 and H2020.

Review of research articles: I have reviewed journal articles from: Journals of Air & Waste Management Association; Atmospheric Environment; Atmospheric Chemistry and Physics, Environmental Modelling and Software; Exposure Science and Environmental Epidemiology; Environmental Health; Environment International; Transportation Research Part D Environment; Science of the Total Environment, Transportation Research Part A: Policy and Practice, Environment, Development and Sustainability, Danish Transportation Research.

International conferences: I have presented at a large number of international conferences in Europa and USA.

Supervision of students and teaching: I have as main supervisor or co-supervisor had four PhD students all with a foreign background. I have also served as external examiner at four PhD defences – one in Denmark and three abroad. I have supervised three visiting young researchers and students from abroad for longer research stays at our department. Our department does not have a master education and therefore doesn't have a base for recruitment of PhD student. I have been course leader on six courses on air pollution (two-days, two-weeks, three-months) for specialists from Romania, Latvia and China. I have given single lectures to 1-day lectures with exercises at PhD and master courses at Aarhus University, Aalborg University, Copenhagen University, Technical University of Denmark (DTU) and University of Washington, Seattle, USA.

Publication records

ResearcherID: <https://publons.com/researcher/4144339/steen-solvang-jensen/>

Google Scholar: <https://scholar.google.dk/citations?user=A0vDrLAAAAAJ&hl=en>

Papers in scientific peer-reviewed journals

1. **Jensen, S.S.** (1995): Driving Patterns and Emissions from Different Types of Roads. The Science of the Total Environment 169 (1995) pp. 123-128. BFI=2.
2. Geernaert, G.L., **Jensen, S.S.**: (1997): Health and Economics of Urban Air Pollution Management. Environmental Research Forum 7-8:502-507. BFI=1.
3. **Jensen, S.S.** (1998): Mapping Human Exposure to Traffic Air Pollution using GIS. Journal of Hazardous Materials 61/1-3 (1998), pp. 385-392. BFI=1.
4. Raaschou-Nielsen, O., Hertel, O., Vignati, E., Berkowicz, R., **Jensen, S.S.**, Larsen, V.B., Lohse, C., and Olsen, J.H., (2000). An air pollution model for use in epidemiological studies; evaluation with measured levels of nitrogen dioxide and benzene. Journal of Exposure Science and Environmental Epidemiology, 10, 4-14. BFI=2.
5. **Jensen, S.S.**, Berkowicz, R., Hansen, H. S., Hertel, O. (2001) A Danish decision-support GIS tool for

management of urban air quality and human exposures. *Transportation Research Part D: Transport and Environment*, Volume 6, Issue 4, 2001, pp. 229-241. BFI=2.

6. Hertel, O., **Jensen**, S.S., Andersen, H.V., Palmgren, F., Wåhlin, P., Skov, H., Nielsen, I. V., Sørensen, M., Loft, S., and Raaschou-Nielsen, O., (2001). Human Exposure to Traffic Pollution. Experience from Danish Studies. *Pure and Applied Chemistry*, Vol. 73, No. 1, pp.137-145. BFI=1.
7. Hertel, O., de Leeuw, F. A. A. M., Raaschou-Nielsen, O., **Jensen**, S.S., Gee, D., Herbarth, O., Pryor, S., Palmgren, F., and Olsen, E., (2001). Human Exposure to Outdoor Air Pollution. IUPAC Technical Report. *Pure and Applied Chemistry* 73, No. 6, pp. 933-958 (2001). BFI=1.
8. **Jensen**, S.S., Berkowicz, R., Winther, M., Zlatev, Z., Palmgren, F. (2001): Future air quality in Danish cities due to new emission and fuel quality directives of the European Union. *Journal of Vehicle Design*, Vol. 27, No. 1 - 4, 2001. BFI=1.
9. Raaschou-Nielsen, O. Palmgren, F. Jensen, S. S., Wåhlin, P., Berkowicz, R., Hertel, O., Vrang, M.L, Loft, S. (2002): Helbredseffekter af partikulær luftforurening i Danmark - et forsøg på kvantificering. (Health impacts of particulate air pollution in Denmark). *Ugeskrift for Læger* 2002; 164:3921-4032, 19. august 2002, Nr. 34. BFI=1.
10. Soll-Johanning, H., Bach, E., **Jensen**, S.S. (2003): Lung and bladder cancer among Danish urban bus drivers and tramway employees: A nested case-control study. *Occupational Medicine* 2003;53:25-33. BFI=1.
11. Sorensen, M., Autrup, H., Moller, P., Hertel, O., **Jensen**, S.S., Vinzents, P., Knudsen, L.E., Loft, S. (2003): Linking exposure to environmental pollutants with biological effects. *Mutation Research* 544 (2003) 255-271. BFI=2.
12. Hvidberg, M., Jensen, S.S. & Berkowicz, R. 2006: GPS tracking af personer i byen. En del af et luftkvalitetssystem. - *Geoforum Perspektiv. Tidsskrift for Geografisk Information* 9: 27-33. BFI=1.
13. Hertel, O., **Jensen**, S.S., Hvidberg, M., Ketzel, M., Berkowicz, R., Sørensen, M., Loft, S. & Nielsen, O.R. (2006): Exposure modelling - Using operational air pollution models. - *Toxicology Letters* 164S: S15-S16. BFI=1.
14. Andersen, M.S., Frohn, L.M., Brandt, J. & **Jensen**, S.S. (2007): External effects from power production and the treatment of wind energy (and other renewables) in the Danish energy taxation system. In: Deketelaere, K., Milne, J.E., Kreiser, L.A. & Ashiabor, H. (Eds.): *Critical Issues in Environmental Taxation. Volume IV: International and Comparative Perspectives*. Oxford University Press. 319-336.
15. Berkowicz, B., Ketzel, M., **Jensen**, S.S., Hvidberg, M. Raaschou-Nielsen, O. (2008): Evaluation And Application of OSPM for Traffic Pollution Assessment for Large Number of Street Locations. *Environmental Modelling & Software* 23 (2008) 296-303. BFI=2.
16. **Jensen**, S.S., Willumsen, E., Brandt, J., Buus, N. (2008): Evaluation of Exposure Factors Applied in Estimation of Marginal External Costs of Transportation related Air Pollution. *Transportation Research Part D* 13 (2008) 255–273. BFI=2.
17. **Jensen**, S.S., Ketzel, M., Berkowicz, R., Hvidberg, M., Høj, J. (2009): Cleaner transport technology most efficient to ensure compliance with 2010 NO₂ limit values in Copenhagen, Denmark. *International Journal of Environment and Waste Management (IJEWM)*, Vol. 4, Nos. 1/2, 179-196, 2009. In Special Issue on “Urban Air Pollution: Problems, Control Technologies and Management Practices”.
18. **Jensen**, S.S., Larson, T., Deepti, K.C., Kaufman, J.D. (2009): Modeling Traffic Air pollution in Street Canyons in New York City for Intra-urban Exposure Assessment in the US Multi-Ethnic Study of Atherosclerosis. *Atmospheric Environment* 43 (2009) 4544–4556. <http://dx.doi.org/10.1016/j.atmosenv.2009.06.042>. BFI=1.
19. Wang, F., Ketzel, M., Ellermann, T., Wåhlin, P., **Jensen**, S.S., Fang, D., and Massling, A. (2010): Particle number, particle mass and NO_x emission factors at a highway and an urban street in Copenhagen, *Atmos. Chem. and Phys.*, 10, 2745–2764, 2010. BFI=2.
20. Raaschou-Nielsen, O., Bak, H., Sørensen, M., **Jensen**, S.S., Ketzel, M., Hvidberg, M., Schnohr, P., Tjønneland, A., Overvad, K., Loft, S. (2010): Air pollution from traffic and risk for lung cancer in three Danish cohorts. *Journal of Cancer Epidemiology, Biomarkers & Prevention*, 19(5); 1284–91. BFI=2.
21. Hung, N.T., Ketzel, M., **Jensen**, S.S., Kim Oanh, N.T. (2010): Air Pollution Modeling at Road Sides Using the Operational Street Pollution Model—A Case Study in Hanoi, Vietnam. *Journal of the Air & Waste Management Association* 60:1315–1326. BFI=1.
22. **Jensen**, S.S., Ketzel, M. (2010): NO₂ virkemiddelkatalog - virkemidler til begrænsning af overskridelser af NO₂ grænseværdien for luftkvalitet i større danske byer. Fagfællebedømte udvalgte artikler fra Trafikdage på Aalborg Universitet. ISSN 1903-1092. (NO₂ Abatement Catalogue – Measures to Reduce Exceedances of the NO₂ Air Quality Limit Value in Larger Danish Cities. Peer reviewed selected Proceedings from the Annual Transport Conference at Aalborg University. ISSN 1903-1092) BFI=1.
23. Andersen, Z., Hvidberg, M., **Jensen**, S.S., Ketzel, M., Loft, S., M., Sørensen, Tjønneland, A., Overvad, K., Raaschou-Nielsen, O. (2011): Chronic Obstructive Pulmonary Disease and Long-Term Exposure to Traffic-Related Air Pollution: A Cohort Study. *American Journal of Respiratory and Critical Care Medicine*, Vol 183. pp 455–461, 2011. BFI=2.

24. Raaschou-Nielsen, O., Andersen, Z., Hvidberg, M., **Jensen, S.S.**, Ketzel, M., Sørensen, M., Loft, S., Overvad, K., Tjønneland, A. (2011): Lung cancer incidence and long-term exposure to air pollution from traffic. *Journal of Environmental Health Perspectives*, Vol. 119, No. 6, 860–865 (2011). doi:10.1289/ehp.1002353. BFI=2.
25. Raaschou-Nielsen, O., Andersen, Z., Hvidberg, M., **Jensen, S.S.**, Ketzel, M., Sørensen, M., Hansen, J., Loft, S., Overvad, K., Tjønneland, A. (2011): Air pollution from traffic and cancer incidence: a Danish cohort study. *Environmental Health* 2011, 10:67. DOI:10.1186/1476-069X-10-67. BFI=1.
26. Ketzel, M., Berkowicz, R., Hvidberg, H., **Jensen, S.S.**, Raaschou-Nielsen, O. (2011): Evaluation of AirGIS - A GIS-Based Air Pollution And Human Exposure Modelling System. *Int. J. of Environment and Pollution*. Vol. 47, Nos. 1/2/3/4, 2011. DOI: 10.1504/IJEP.2011.047337. BFI=1.
27. Andersen, Z.J., Bønnelykke, K., Hvidberg, M., **Jensen, S.S.**, Ketzel, M., Loft, S., Sørensen, M., Tjønneland, A., Overvad, K. & Raaschou-Nielsen, O. (2012), 'Long-term exposure to air pollution and asthma hospitalisations in older adults: a cohort study' *Thorax*, vol 67, no. 1, pp. 6-11. BFI=2.
28. Andersen, ZJ, Kristiansen, LC, Andersen, KK, Olsen, TS, Hvidberg, M, **Jensen, SS**, Ketzel, M, Loft, S, Sørensen, M, Tjønneland, A, Overvad, K & Raaschou-Nielsen, O (2012), 'Stroke and long-term exposure to outdoor air pollution from nitrogen dioxide: a cohort study' *Stroke*, vol 43, no. 2, pp. 320-5. BFI=2.
29. Andersen, ZJ, Raaschou-Nielsen, O, Ketzel, M, **Jensen, SS**, Hvidberg, M, Loft, S, Tjønneland, A, Overvad, K & Sørensen, M (2012), Diabetes incidence and long-term exposure to air pollution: a cohort study. *Diabetes Care*, vol 35, no. 1, pp. 92-8. BFI=2.
30. Raaschou-Nielsen, O, Andersen, ZJ, **Jensen, SS**, Ketzel, M, Sørensen, M, Hansen, J, Loft, S, Tjønneland, A & Overvad, K 2012, Traffic air pollution and mortality from cardiovascular disease and all causes: a Danish cohort study. *Environmental Health: A Global Access Science Source*, 11:60. BFI=1.
31. Sørensen, M., Hoffmann, B., Hvidberg, M., Ketzel, M., **Jensen, S.S.**, Andersen, Z., Tjønneland, A., Overvad, K., Raaschou-Nielsen, O. (2012): Long-Term Exposure to Traffic-Related Air Pollution Associated with Blood Pressure and Self-Reported Hypertension in a Danish Cohort. *Environmental Health Perspectives* 120:418–424 (2012). <http://dx.doi.org/10.1289/ehp.1103631>. BFI=2.
32. Sørensen, M, Andersen, ZJ, Nordsborg, RB, **Jensen, SS**, Lillelund, KG, Beelen, R, Schmidt, EB, Tjønneland, A, Overvad, K & Raaschou-Nielsen, O 2012, 'Road traffic noise and incident myocardial infarction: a prospective cohort study' *PLOS One*, vol 7, no. 6, pp. e39283. BFI=1.
33. Hung, N.T., **Jensen, S.S.** (2012): Integrated monitoring and assessment for air quality management in Hanoi, Vietnam. *Journal of Science of Vietnam National University, Earth Sciences* 28 (2012) 69-83.
34. Ketzel, M., **Jensen, S.S.**, Brandt, J., Ellermann, T., Olesen, H.R., Berkowicz, R., Hertel, O. (2012): Evaluation of the Street Pollution Model OSPM for Measurements at 12 Street Stations Using a Newly Developed and Freely Available Evaluation Tool. *Journal of Civil and Environmental Engineering (JCEE)*. <http://dx.doi.org/10.4172/2165-784X.S1-004>.
35. **Jensen, S.S.**, Ketzel, M., Brandt, J., Ellermann, T., Winther, M., Becker, T., Martinsen, L. (2013): Hvad er effekten af ren-luftzoner for luftforureningen i København? Fagfællebedømt artikel fra Trafikdage på Aalborg Universitet, 26.-27. august 2013. <http://www.trafikdage.dk/arkiv/artikelarkiv/>. Accepted in 2015. Annual Transport Conference at Aalborg University. ISSN 1603-9696. BFI=1.
36. Ottosen, T-B., Kakosimos, K. E., Johansson, C., Hertel, O., Brandt, J., Skov, H., Berkowicz, R., Ellermann, T., **Jensen, S.S.** & **Ketzel, M.** (2015): Analysis of the impact of inhomogeneous emissions in a semi-parameterized street canyon model. I : *Geoscientific Model Development Discussions*. 8, 3231–3245, 2015. cdoi:10.5194/gmd-8-3231-2015. BFI=1.
37. Roswall, N., Eriksen, K. T., Hjortebjerg, D.I.M., **Jensen, S.S.**, Overvad, K., Tjønneland, A., Raaschou-Nielsen, O, Sørensen, M. (2015): Residential Exposure to Road and Railway Noise and Risk of Prostate Cancer: A Prospective Cohort Study. *PLOS ONE* 10(8): e0135407. doi:10.1371/journal. BFI=1.
38. Christensen, J.S., Raaschou-Nielsen, O., Tjønneland, A., Nordsborg, R.B., **Jensen, S.S.**, Sørensen, T.I.A., Sørensen, M. (2015): Long-term exposure to traffic noise and changes in body weight and waist circumference: A cohort study. *Environmental Research*, pp. 154-161 DOI information: 10.1016/j.envres.2015.10.007. BFI=2.
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41. **Jensen, S.S.**, Ketzel, M., Becker, T., Christensen, J.H., Brandt, J., Plejdrup, M., Winther, M., Nielsen, O.-K., Hertel, O., and Ellermann, T., 2016. Air Street Map – High Resolution Multi-scale Air Quality Modeling for All

Addresses in Denmark. AMA Science – special issue on basis of COST TD1105 meeting in Prague 2016. DOI: 10.5162/6EuNetAir2016/04 <http://www.ama-science.org/proceedings/details/2455>.

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25. Loft, S., Møller, P., Vinzents, P., Sørensen, M., Hertel, O., **Jensen, S.S.**, Autrup, H., Knudsen, L.E. (2004): Exposure and oxidative stress caused by urban air pollution. Presentation at ICTX satellit Molecular Epidemiology conference, Finland.
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- Assessment System for Air Pollution and Population Exposure to Particles. Nordic Research Seminar on Traffic Related Air Pollution and Health Effects. Sigtuna, Sweden June 1-2, 2004.
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 41. **Jensen, S.S.**, Løfstrøm, P., Berkowicz, R., Olesen, H.R., Frydendal, J., Madsen, I.L., Ketzel, M., Fuglsang, K., Hummelshøj, H. (2006): Mapping of air quality and human exposure along motorways. 2nd Environment & Transport/15th Conference Transport and Air Pollution. Reims, France 12-14 June 2006.
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- Møller, F., Petersen, L.K., Nielsen, J.S., Jørgensen, K., Karlsson, K. (2006): Environmental and Health Impact Assessment of Scenarios for Renewable Energy Systems with Hydrogen (HYSCENE). Poster presentation at Public Meeting about Strategic Energy Research organised by the Programme Commission on Energy and Environment under the Danish Strategic Research Council. June 12, 2006.
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 48. Hvidberg, M., **Jensen, S.S.** & Berkowicz, R.: High resolution modelling of exposure to air pollution based on detailed traffic data. 3rd Nordic Air Pollution Workshop, Copenhagen, Denmark, March 22-23, 2006. Available at: <http://www.airpolife.dk/NR/rdonlyres/B9B566AF-8FC9-428A-AEE2-3375FDCD6E9D/0/Workshopabstracts.pdf>
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 51. Ketzel, M., Palmgren, F., **Jensen, S.S.** (2008): Kan vi overholde NO₂ grænseværdier i Danske byer i 2010 - 2020? Trafikdage på Aalborg Universitet. 25.-26. august 2008. Annual Transport Conference at Aalborg University. ISSN 1603-9696.
 52. **Jensen, S.S.**, Larson, T., Kaufmann, J., KC, Deepti (2008): Modelling Intra-Urban Concentrations of Traffic-Related Air Pollution in New York City for the US Multi-Ethnic Study of Atherosclerosis. 2008 Joint Annual Meeting. Exposure and Health in a Global Environment. International Society for Environmental Epidemiology and International Society for Exposure Analysis. October 12-16, 2008, Pasadene, Los Angeles, USA.
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 54. Ketzel, M., **Jensen, S.S.**, Palmgren, F., (2009): Can Denmark comply with NO₂ limit vales in 2010? – A scenario modelling study using OSPM. 7th International Conference on Air Quality – Science and Application, March 24-27, 2009, Istanbul.
 55. Wang, F., Massling, A., Ketzel, M., Wåhlin, P., Ellermann, T., **Jensen, S.S.** 2009, "[Particulate emissions from road traffic under varying driving conditions](#)", fremlagt ved 13th ETH-Conference on Combustion Generated Nanoparticles, Zurich, 22.6.2009 - 24.6.2009.
 56. **Jensen, S.S.**, Becker, T., Ketzel, M., Hansen, M.S., Andersen, M.S., (2009): Urban Case Study of Copenhagen. Assessing Sensitiveness to Transport. European Commission, DG TREN, Sixth Framework Programme, Thematic Priority 8, Policy-orientated research, Specific Targeted Research Project, Contract N. 044274. Cross-cutting stakeholder dissemination workshop, Segovia, Spain June 8-9, 2009.
 57. **Jensen, S.S.**, Ketzel, M. (2009): NO₂ virkemiddelkatalog - virkemidler til begrænsning af overskridelser af NO₂ grænseværdien for luftkvalitet i større danske byer”. Trafikdage på Aalborg Universitet 24.-25. august 2009. Aalborg Universitet. Annual Transport Conference at Aalborg University. ISSN 1603-9696.
 58. Massling, A. Wang, F., Ketzel, M., Ellermann, T., **Jensen, S.S.**, Wåhlin, P. (2009): Contribution of traffic-emitted

- pollutants at a busy Danish highway compared to a major street in central Copenhagen. European Aerosol Conference, September 6-11, 2009, Karlsruhe.
59. Ketzel, M., Düring, I., **Jensen**, S.S. 2009, "Predicting compliance with 2010 NO₂ limit values in Denmark and Germany- Scenario calculations using the Danish street canyon model OSPM", fremlagt ved *METTOOLS VII*, Hamburg, 1.9.2009 - 3.9.2009.
 60. **Jensen**, S.S., Becker, T., Ketzel, M., Hansen, M.S., Andersen, M.S. (2009): Copenhagen Case Study. ASSET Final Project Conference, Centre Albert Borschette, Bruxelles, November 30, 2009. Assessing Sensitiveness to transport (ASSET). Poster presentation.
 61. **Jensen**, S.S., Ketzel, M., Nøjgaard, J.K., Wählin, P. (2010): Air Quality Impact Assessment of the Environmental Zone in Copenhagen. International Transport and Air Pollution Conference, May 18-19, 2010, Dübendorf, Switzerland.
 62. **Jensen**, S.S., Ketzel, M., Brandt, J., Frohn, L.M., Winther, M., Nielsen, O.-K., Jørgensen, K., Karlsson, K. (2010): Impacts of large-scale introduction of hydrogen in the road transport sector on urban air pollution and human exposure in Copenhagen. International Conference on Energy, Environment and Health, – Optimisation of Future Energy Systems, May 31-June 2, 2010, Carlsberg Academy, Copenhagen, Denmark.
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 64. Gross, A., **Jensen**, S.S., Brandt, J., Christensen, J.H., Ketzel, M., Frohn, L.M., Geels, C., Hansen, A.B., Hansen, K.M., Hedegaard, G.B., Silver, J.D., Skjøth, C.A. (2010): Regional Air Quality Assessment of Biofuel Scenarios in the Road Transport Sector. International Conference on Energy, Environment and Health, – Optimisation of Future Energy Systems, May 31-June 2, 2010, Carlsberg Academy, Copenhagen, Denmark.
 65. Becker, T., Ketzel, M., Løfstrøm, P., Lorentz, H., **Jensen**, S.S., Olesen, H.R. (2010): OML-Highway – a road source model in a GIS environment – evaluation with measurements. 13th international conference on "Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes", Paris, France, June 1-4, 2010. Poster presentation.
 66. **Jensen**, S.S., Ketzel, M., Becker, T., Løfstrøm, P., Olesen, H.R., Lorentz, H., Michelsen, L.N., Fryd, J. (2010): OML-Highway – en ny brugervenlig GIS-baseret luftkvalitetsmodel for motorveje, landeveje og andre veje i åbent terræn. Trafikdage på Aalborg Universitet, 23.-24. august 2010. Annual Transport Conference at Aalborg University. ISSN 1603-9696.
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 69. Gross, A., **Jensen**, S.S., Brandt, J., Christensen, J.H., Ketzel, M., Frohn, L.M., Geels, C., Hansen, A.B., Hansen, K.M., Hedegaard, G.B., Silver, J.D., Skjøth, C.A. (2011): Regional Air Quality Assessment of Biofuel Scenarios in the Road Transport Sector. GLOREAM Workshop, January 17, 2011.
 70. **Jensen**, S.S., Ketzel, M., Brandt, J., Andersen, M.S. (2011): Betalingsring og miljø/sundhed - med vægt på luftforurening. Konference om "Er København klar til en betalingsring?" Arrangør Byplan, Vej og Trafik i samarbejde med Automobilteknisk Selskab. IDA 10. februar 2011.
 71. **Jensen**, S.S., Ketzel, M., Nøjgaard, J.K., Becker, T. (2011): Effekt af miljøzoner for luftkvaliteten. IGAS Symposium, København, 18. maj 2011.
 72. **Jensen**, S.S., Brandt, J., Hvidberg, M., Ketzel, M., Hedegaard, G.B., Christensen, J.H., (2011): Decision-Support System for Urban Air Pollution under Future Climate Conditions. In J. Hřebíček, G. Schimak, and R. Denzer (Eds.): ISESS 2011, IFIP AICT 359, pp. 641–650, 2011. June 27-29, 2011.
 73. Andersen, Z.J., Raaschou-Nielsen, O., Carstensen, B., Hvidberg, M., **Jensen**, S.S., Ketzel, M., Loft, S., Tjønneland, A., Overvad, K., Sørensen, M. (2011): Diabetes incidence and long-term exposure to air pollution: a cohort study. International Society for Environmental Epidemiology Conference, September 13-16, 2011, Barcelona.
 74. Sørensen, M., Hoffmann, B., Hvidberg, M., Ketzel, M., **Jensen**, S.S., Andersen, Z.J., Tjønneland, A., Overvad, K., Raaschou-Nielsen, O. (2011): Long-Term Exposure To Traffic-Related Air Pollution, Blood Pressure And Risk For Self-Reported Hypertension. International Society for Environmental Epidemiology Conference, September 13-16, 2011, Barcelona.
 75. Raaschou-Nielsen, O., Andersen, Z., Hvidberg, M., **Jensen**, S.S., Ketzel, M., Sørensen, M., Hansen, J., Loft, S., Overvad, K., Tjønneland, A. (2011): Air pollution from traffic and cancer incidence in a Danish cohort. International Society for Environmental Epidemiology Conference, September 13-16, 2011, Barcelona.
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Hospitalizations in Elderly Adults: a Cohort Study. ERS (European Respiratory Society) Conference, Amsterdam, September 24-28, 2011.

77. **Jensen, S.S., Ketzel, M., Nøjgaard, J.K., Becker, T.** (2011): Effekt af miljøzoner på luftkvaliteten i København, Frederiksberg, Aarhus, Odense og Aalborg. Danmarks Miljøundersøgelser (DMU), Afdelingen for Atmosfærisk Miljø, Aarhus Universitet. Trafikdage på Aalborg Universitet, 22.-23. august 2011. Annual Transport Conference at Aalborg University. ISSN 1603-9696.
78. **Jensen, S.S., Ketzel, M., Becker, T., Hertel, O., Løfstrøm, P., Olesen, H.R., Fryd, J., Michelsen, L.N.** (2011): Luftkvalitetsvurdering for ny 3. Limfjordsforbindelse. Danmarks Miljøundersøgelser (DMU), Afdelingen for Atmosfærisk Miljø, Aarhus Universitet. Trafikdage på Aalborg Universitet, 22.-23. august 2011. Annual Transport Conference at Aalborg University. ISSN 1603-9696.
79. Ketzel, M., **Jensen, S.S., Hertel, O., Ellermann, T., Olesen, H.R., Berkowicz, R.** (2011): Evaluation of OSPM for Long-term Measurements at 5 Street Stations in Denmark. 14th international conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, October 2-6, 2011, Greece".
80. **Jensen, S.S., Ketzel, M., Becker, T., Løfstrøm, P., Hertel, O., Olesen, H.R., Lorentz, H.** (2012): OML-Highway - a GIS-based road source model for air quality assessment – applications in EIA. 8th International Conference on Air Quality – Science and Application 2012, Athens.
81. Ketzel, M., **Jensen, S.S., Hertel, O., Ellermann, T., Olesen, H.R., Berkowicz, R.** (2012): Evaluation of OSPM for Long-Term Measurements at 5 Street Stations in Denmark using a Newly Developed Tool. 8th International Conference on Air Quality – Science and Application 2012, Athens.
82. Olesen, H.R., Wåhlin, P., Illerup, J., Bossi, R., **Jensen, S.S.** (2012): Characteristics of residential wood combustion – results from a Danish case study. 8th International Conference on Air Quality – Science and Application 2012, Athens.
83. Hertel, O., **Jensen, S.S., Ketzel, M., Becker, T., Peel, R.G., Viuf, P., Skjøth, C.A., Ellermann, T., Raaschou-Nielsen, O., Sørensen, M., Bräuner, E.V., Andersen, Z.J., Loft, S., Schlünssen, V., Bønløkke, J., Sigsgaard, T.** (2012): Exposure to airborne pollutants – experience from Danish studies. SETAC Conference, Berlin, May 2012.
84. **Jensen, S.S., Ketzel, M., Brandt, J., Christensen, J., Ellermann, T., Becker, T., Hertel, O.** (2012): Air Quality Modelling in Streets and Assessment of Policy Options in Copenhagen. Invited speaker at Seminar at Trinity College Dublin June 11-12, 2012 on Environment and Climate Change - RESPONSES TO TRANSPORTATION IMPACTS ON AIR QUALITY.
85. **Jensen, S.S., Ketzel, M., Schlünssen, V., Sigsgaard, T., Modig, L.** (2012): Historic Residential Exposure Assessment to Traffic-related Air Pollution for a Danish Asthma Study. International Society of Exposure Science Conference, Oct 28-Nov 1, 2012, Seattle.
86. Hertel, O., **Jensen, S.S., Ketzel, M., Skjøth, C.A., Becker, T., Peel, R.G., Viuf, P., Raaschou-Nielsen, O., Sørensen, M., Bräuner, E., Andersen, Z.J., Loft, S., Schlünssen, V., Bønløkke, J., Sigsgaard, T.** (2012): Modelling of traffic generated air pollution and human exposure. 04/2012; In proceeding of: Qatar Clean Air Research (QCAR) workshop.
87. Ketzel, M., **Jensen, S.S., Lorentz, H., Becker, T., Løfstrøm, P.** (2013): Evaluation of the Open Road Source Model OML-Highway for Several Field Datasets. 15th Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes 6-9 May 2013, Madrid, Spain Topic 1: Model Evaluation and Quality Assurance, H15-131.
88. **Jensen, S.S., Ketzel, M., Brandt, J., Martinsen, L., Becker, T., Winther, M., Ellermann, T.** (2013): Hvad er effekten af ren-luftzoner for luftforureningen og eksterne omkostninger i København? Teknisk seminar om luftforurening. København 22. august 2013. Arrangeret af Miljøstyrelsen.
89. **Jensen, S.S., Ketzel, M., Brandt, J., Martinsen, L., Becker, T., Winther, M., Ellermann, T.** (2013): Hvad er effekten af ren-luftzoner for luftforureningen og eksterne omkostninger i København? Trafikdage på Aalborg Universitet, 26.-27. august 2013. Annual Transport Conference at Aalborg University. ISSN 1603-9696.
90. **Jensen, S.S., Fuglsang, M., Becker, T., Ketzel, M., Brandt, J., Plejdrup, M., Winther, M., Ellermann, T., Hertel, O.** (2014): Interactive website for air quality at address level in Denmark. Air Quality Conference, Garmisch-Partenkirchen, 24-28 March 2014.
91. Brandt, J., Andersen, M.S., Bønløkke, J., Christensen, J.H., Geels, C., Hansen, K.M., **Jensen, S.S., Ketzel, M., Plejdrup, M.S., Sigsgaard, T., Silver, J.D.** (2014): High-resolution modelling of health impacts from air pollution using the integrated model system EVA. European Geoscience Union (EGU) 2014, Vienna, Austria from 27 April - 2 May 2014. Poster.
92. **Jensen, S.S., Ketzel, M., Brandt, J., Martinsen, L., Becker, T., Winther, M., Nøjgaard, J.K., Ellermann, T.** (2014): LEZ scenarios to improve AQ in Copenhagen. LEZ– how to estimate the air quality benefits, Stockholm, June 17-18, 2014. Invited speaker.

93. **Jensen, S.S., Ketzel, M., Brandt, J., Becker, T., Fuglsang, M., Plejdrup, M., Winther, M., Ellermann, T., Hertel, O.** (2014): Luften på din vej (Air Quality at Your Street). Trafikdage på Aalborg Universitet, 25.-26. August 2014. Annual Transport Conference at Aalborg University. ISSN 1603-9696.
94. Ketzel, M., **Jensen, S.S., Brandt, J., Ottosen, T.B., Skov, H., Hertel, O., Kakosimos, K.** (2014): Validation of newest Developments within OSPM. 16th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, 8-11 September 2014, Varna, Bulgaria.
95. **Jensen, S.S.** (2014): Air Quality Management in European Cities – Good Practices from European Green Capital Award. Air Quality Masterclass: The good urban life of the future –Air Quality Management in European Cities: Sharing Successes and Challenging Challenges, October 28-29, 2014, Bristol, UK. Invited speaker.
96. **Jensen, S.S., Ketzel, M., Brandt, J., Becker, T., Fuglsang, M., Plejdrup, M., Winther, M., Ellermann, T., Hertel, O., Fogh, C. L.** (2014): Air Quality at Your Street - An air quality map for all addresses in Denmark. Big Data - Big Impacts: Business, Healthcare, Technology, Societal Processes. Nov. 13 2014 - Nov. 13 2014. Aarhus, Denmark.
97. Brandt, J., Andersen, M.S., Bønløkke, J., Christensen, J.H., Hansen, K.M., Hertel, O., Im, U., **Jensen, S.S., Ketzel, M. Nielsen, O.K., Plejdrup, M.S., Sigsgaard, T., Geels, C.** (2015). High-Resolution Modelling of Health Impacts from Air Pollution for Denmark using the Integrated Model System EVA. European Geosciences Union General Assembly 2015.Vienna, Austria, 12 – 17 April 2015.
98. Brandt, J., Andersen, M. S., Bønløkke, J., Christensen, J. H., Hansen, K. M., Hertel, O., Im, U., **Jensen, S. S., Ketzel, M., Nielsen, O.-K., Plejdrup, M. S., Sigsgaard, T. , Geels, C.** (2015): High-resolution modelling of health impacts and related external cost from air pollution using the integrated model system EVA. ITM 2015. 34th International Technical Meeting on Air Pollution Modelling and its Application. 4-8 May, 2015, Montpellier, France.
99. **Jensen, S.S., Im, Ulas, Ketzel, M., Løftstrøm, P., Brandt, J., Fryd, J., Michelsen, L.N.** (2015): Kortlægning af luftkvalitet langs motor- og landeveje i Danmark. (Mapping of Air Quality along State Roads in Denmark. Trafikdage på Aalborg Universitet, 24.-25. August 2015. Annual Transport Conference at Aalborg University. ISSN 1603-9696.
100. **Jensen, S.S.,** (2015): Forventet miljøeffekt af SCRT på bybusser i København. (Expected Impacts on Air Pollution of Retro-fitting SCRT on Urban Busses in Copenhagen. Trafikdage på Aalborg Universitet, 24.-25. August 2015. Annual Transport Conference at Aalborg University. ISSN 1603-9696. Special Session om Luftpakken ”Ren luft til danskerne” renere busser i hovedstaden – NOx - og partikelreducerende udstyr til busser. Invited presentation for Special Session.
101. **Jensen, S.S., Becker, T., Ketzel, M., Brandt, J., Plejdrup, M., Winther, M., Ellermann, T., Hertel, O., Fuglsang, M.** (2015): Air Quality at Your Street. Science for the Environment 2015. 3rd International conference in Aarhus, Denmark, October 1-2, 2015.
102. Ellermann, T., Brandt, J., Løftstrøm, P., Nordstrøm, C., **Jensen, S. S., Ketzel, M., Christensen, J. H., Nøjgaard, J. K., Geels, C. &Hertel, O.** (2015): Integration of measurements and modelling in the Danish air quality monitoring program. Science for the Environment 2015. 3rd International conference in Aarhus, Denmark, October 1-2, 2015.
103. Brandt, J., Andersen, M. S., Bønløkke, J., Christensen, J. H., Geels, C., Hansen, K. M., Hertel, O., Im, U., **Jensen, S. S., Ketzel, M., Nielsen, O.-K., Plejdrup, M. S., Sigsgaard, T. ,** (2016): High-resolution modelling of health impacts and related external cost from air pollution over 36 years using the integrated model system EVA. EGU 2016.
104. **Jensen, S.S., Ketzel, M., Im, U., Løftstrøm, P., Brandt, J., Fryd, J., Michelsen, L.N.** (2016): Modelling of Air Quality along All State Roads in Denmark. Air Quality – Science and Application, 14-18 March 2016, Milan, Italy.
105. Bønløkke, J. H., Andersen, M. S., Brandt, J., Christensen, J. H., Geels, C., Hansen, K. M., Hertel, O., Im, U., **Jensen, S. S., Ketzel, M., Nielsen, O.-K., Plejdrup, M. S., Sigsgaard, T.** (2016): An update on mortality in Denmark caused by fine particulate matter air pollution. NOSA 2016 Symposium, Aarhus University, Denmark, April 4-6, 2016. Poster presentation.
106. **Jensen, S.S.,** (2016): Luftkvalitetseffekt af SCRT på bybusser i København. (Impacts on Air Pollution of Retro-fitting SCRT on Urban Busses in Copenhagen. Trafikdage på Aalborg Universitet, 22.-23. August 2016. Annual Transport Conference at Aalborg University. ISSN 1603-9696. Special Session om Luftpakken ”Ren luft til danskerne” renere busser i hovedstaden – NOx - og partikelreducerende udstyr til bybusser. Invited presentation for Special Session.
107. **Jensen, S.S., Ketzel, M., Becker, T., Christensen, J., Brandt, J., Plejdrup, M.S., Winther, M., Nielsen, Ole-Kenneth, Hertel, O., Ellermann, T.,** (2016): Air Quality at your Street - Public Assessable Digital Maps of Air Pollution in Denmark. COST Action TD1105 - New Sensing Technologies for Air-Pollution Control and

Environmental Sustainability -Final Meeting - Sixth Scientific Meeting, organized by Czech Academy of Sciences, Prague, 5-7 October 2016.

108. Ketzel, M., Brandt, J., Im, U., Ottosen, T-B., **Jensen**, S. S., Ellermann, T., Kakosimos, K. E., Poulsen, M. B. & Hertel, O. (2016): Detailed investigation of traffic pollution dispersion near Denmark's NO₂ hot-spot. 10th International Conference on Air Quality – Science and Application, March 14-18, 2016, Milan, Italy. Peer-review conference abstract.
109. Brandt, J., Andersen, M. S., Bønløkke, J. H., Christensen, J. H., Hansen, K. M., Hertel, O., Im, U., **Jensen**, S. S., Ketzel, M., Nielsen, O-K., Plejdrup, M. S., Sigsgaard, T. & Geels, C. (2016): High-Resolution Modelling of Health Impacts and Related External Cost from Air Pollution Using the Integrated Model System EVA. [35th International Technical Meeting on Air Pollution Modelling and its Application](#), August 2016, Chania, Crete, Greek. Peer reviewed conference abstract.
110. Brandt, J., Andersen, M. S., Bønløkke, J., Christensen, J. H., Geels, C., Hansen, K. M., Hertel, O., Im, U., **Jensen**, S. S., Ketzel, M., Nielsen, O., Plejdrup, M. S., Sigsgaard, T. (2016): Long term health impact assessment of air pollution. Seminar at Aarhus University about Health and Environment studies, utilizing administrative registries on the entire population, November 17, 2016.
111. Brandt, J., Andersen, M. S., Bønløkke, J., Christensen, J. H., Geels, C., Hansen, K. M., Hertel, O., Im, U., **Jensen**, S. S., Ketzel, M., Nielsen, O., Plejdrup, M. S., Sigsgaard, T. (2016): Luftforureningens betydning for sygelighed og dødelighed. Seminar om Miljøets betydning for sundheden: Temadag - Sundhedsstyrelsens Rådgivende Videnskabelige Udvalg for Miljø og Sundhed. October 24, 2016.
112. Brandt, J., Andersen, M. S., Bønløkke, J., Christensen, J. H., Ellermann, T., Hansen, K. M., Hertel, O., Im, U., **Jensen**, S. S., Ketzel, M., Nielsen, O., Plejdrup, M. S., Sigsgaard, T., Geels, C. (2016): Multiscale Modelling of Health Impacts and Related External Costs from Air Pollution in Europe and Denmark over 36 Year (1979-2014) using the Integrated Model System EVA. 10th International Conference on Air Quality – Science and Application, March 14-18, 2016.
113. Khan, J., Ketzel, M., Kakosimos, K., Hvidtfelt, U., Sørensen, M., Raaschou-Nielsen, O., Brandt, J., Ellermann, T., **Jensen**, S.S. (2017): Towards AirGIS Re-development: A GIS Based Human Exposure Modelling System. 18th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, 9-12 October 2017, Bologna, Italy.
114. **Jensen**, S.S., Winther, M., Jørgensen, U., Møller, H.B. (2017): Scenarios for use of biogas for heavy-duty vehicles in Denmark and related GHG emission impacts. Trafikdage på Aalborg Universitet 28.-29. August 2017. Annual Transport Conference at Aalborg University. ISSN 1603-9696
115. Khan, J., Ketzel, M., **Jensen**, S.S., Kakosimos, K. (2017): Modeling air and noise pollution exposure – Initial Results. Texas A&M University at Qatar Research and Industry Partnership Showcase. April 20, 2017. Doha, Qatar. Poster presentation.
116. Brandt, J., Andersen, M. S., Bønløkke, J., Christensen, J. H., Geels, Hansen, K. M., Hertel, O., C. Ellermann, T., Im, U., **Jensen**, S. S., Ketzel, M., Nielsen, O., Plejdrup, M. S., Sigsgaard, T. (2016): High-resolution modelling of health impacts and related external cost from air pollution over 36 years using the integrated model system EVA. 35th International Technical Meeting on Air Pollution Modelling and its Application. August 2016, Chania, Crete, Greece.
117. Hertel, O., Sigsgaard, T., Poulsen, M.B., Olsen, Y., Ørby, P.V., Nøjgaard, J.K, Massling, A., Brandt, J., Christensen, J.H., Ketzel, M., **Jensen**, S.S., Geels, C., Holst, G., Bønløkke, J., Pedersen, C.B. Schlüenssen, V., Andersen, Z., Loft, S., Møller, P., Raaschou-Nielsen, O., Ellermann, T. (2017): Assessment of human air pollution exposure - results and perspectives in Danish studies. USCEK2017. [International Congress of Health and Environment](#), October 23-25, 2017. Adana, Turkey.
118. Khan, J., **Jensen**, S.S., Kakosimos, K., Brandt, J., Ketzel, M (2017): Performance of newly developed AirGIS 2 at different time scales. 11th International Conference on Air Quality - Science and Application. Air Quality 2018, Barcelona, 12-16 March 2018.
119. Winther, M. **Jensen**, S.S. (2017): Emissioner af drivhusgasser fra tunge køretøjer på biogas. Trafikdage på Aalborg Universitet, 28.-29. August 2017. Annual Transport Conference at Aalborg University. ISSN 1603-9696.
120. **Jensen**, S.S., Brandt, J., Andersen, M.S., Bønløkke, J., Christensen, J.H., Ellermann, T., Hansen, K.M., Hertel, O., Im, U., Ketzel, M., Nielsen, O-K., Plejdrup, M.S., Sigsgaard, T., Geels, C. (2017): Modelling health impacts and external costs of PM and other emissions from farming. Farming and Health - 25 years of research, Sandbjerg, November 26-28, 2017.
121. **Jensen**, S.S., Ketzel, M., Ellermann, T., Winther, M. (2018): Air Quality Assessment of Retrofitting SCRT on Urban Buses in Copenhagen. 11th International Conference on Air Quality - Science and Application, Barcelona, 12-16 March 2018.

122. Khan, J., Ketzel, M., Kakosimos, K., Brandt, J., **Jensen, S.S.**, (2018): Validation of the AirGIS Exposure Modelling System at Different Time Scales (Part II of the spatial and temporal validation of recently updated AirGIS). 11th International Conference on Air Quality - Science and Application, Barcelona, 12-16 March 2018.
123. Møller, H.B., Jørgensen, U., **Jensen, S.S.**, Hamelin, L. (2018): The role of biogas in the future Danish energy system. 26th European Biomass Conference & Exhibition (EU BCE), Copenhagen, May 14-18, 2018.
124. **Jensen, S.S.**, Winther, M., Ketzel, M., Ellermann, T. (2018): Effektvurdering af forslag til skærpede miljøzoner i København. Trafikdage på Aalborg Universitet, 27.-28. august 2018.
125. Frohn, L.M., Geels, C., Christensen, J.H., Andersen, M.S., Ellermann, T., Hansen, K.M., Hertel, O., Im, U., **Jensen, S.S.**, Ketzel, M., Nielsen, O.-K., Plejdrup, M.S., Brandt, J. (2019): Modelled concentrations of air pollution components, related health impacts, and corresponding external costs over the last 40 years. International Technical Meeting on Air Pollution Modelling and its Application.
126. Ketzel, M., Frohn, L.M., Christensen, J.H., Brandt, J., Im, U., Nielsen, O.-K., Plejdrup, M.S., **Jensen, S.S.**, Massling, A., Hertel, O., van der Gon, H.D., Manders, A., Raaschou-Nielsen, O. (2019): Modelling of particle number concentrations for exposure estimates at regional and street levels in Denmark. European Aerosol Conference - EAC 2019, August 25-30, 2019, Gothenburg, Sweden.
127. **Jensen, S.S.**, Ketzel, M., Winther, M., Ellermann, T. (2019): Scenarios for proposed updated Low Emission Zones in Denmark – impacts to emissions and air quality in Copenhagen. 23rd International Transport and Air Pollution Conference in Thessaloniki, May 15-17, 2019.
128. **Jensen, S.S.**, Ketzel, M., Brandt, J., Christensen, J., Winther, M., Nielsen, O.-K., Plejdrup, M., Hertel, O., Ellermann, T. (2019): Development and Applications of Multi-Scale Air Quality Modelling in Denmark. 2nd Street-in-Grid (SinG) Modeling Symposium. June 24-28, 2019, Champs-sur-Marne, France Paris.
129. **Jensen, S.S.**, Winther, M., Løfstrøm, P. (2019): Luftforurening fra krydstogtskibe i Københavns Havn og Aarhus Havn. Trafikdage på Aalborg Universitet, 26.-27. august, 2019.
130. Winther, M., **Jensen, S. S.**, Ketzel, M., Christensen, J. H., Frohn, L. M., Brandt, J., Nielsen, O.-K., Plejdrup, M. S. & Ellermann, T., (2019): Konsekvenser for emissioner og luftkvalitet af tiltag på transportområdet i Regeringens klima- og luftudspil, Trafikdage på Aalborg Universitet, 26.-27. august 2019.
131. Liu, S., Jørgensen, J.T., Lim, Y.-H., Amini, H., Mehta, A., Mortensen, L.H., Westendorp, R., Pedersen, M., Loft, S., Bräuner, E.V., Ketzel, M., Hertel, O., Brandt, J., **Jensen, S.S.**, Backalarz, C., Simonsen, M.K., Andersen, Z.J. (2020): Long-Term Exposure to Air Pollution, Road Traffic Noise and Asthma Incidence: the Danish Nurse Cohort. European Respiratory Society (ERS) International Congress, September 5-9, 2020, Vienna, Austria.
132. Ketzel, M., Frohn, L.M., Christensen, J.H., Brandt, J., Im, U., Nielsen, O.-K., Plejdrup, M.S., **Jensen, S.S.**, Massling, A., Khan, J., van der Gon, H.D., Manders, A., Raaschou-Nielsen, O., (2020): Long Term Exposure Estimates of Particle Number Concentrations in Denmark. 12th International Air Quality Conference 2020 - online, Science and Application, Thessaloniki, May 18-22, 2020.
133. So, R., Jørgensen, J. T. , Lim, Y. , Mehta, A. J., Amini, H. , Mortensen, L. H. , Westendorp, R. , Ketzel, M. , Hertel, O., Brandt, J. , Christensen, J. H. , Geels, C. , Frohn, L. M. , Sigaard, T. , Bräuner, E. V. , **Jensen, S. S.** , Backalarz, C., Simonsen, M. K. , Loft, S., Cole-Hunter, T. , Andersen, Z. J. (2020) : Long-term Exposure to Low Concentration to PM_{2.5} and Mortality: A Danish Nurse Cohort Study. International Society of Environmental Epidemiology (ISEE), 24-27 August, 2020 (fully virtual).
134. So, R., Cole-Hunter, T., Lim, Y.-H., Jørgensen, J.T., Amini, H., Mehta, A.J., Liu, S., Mortensen, L.H., Westendorp, R., Ketzel, M., Hertel, O., Brandt, J., Christensen, J.H., Geels, C., Frohn, L.M., Sigaard, T., Bräuner, E.V., **Jensen, S.S.**, Backalarz, C., Simonsen, M.K., Loft, S., Andersen, Z.J. 2021. Long-term exposure to road traffic noise and all-cause and cause-specific mortality: a Danish Nurse Cohort Study. 13th ICBEN Congress on Noise as a Public Health Problem will be held 14-17 June 2021.
135. **Jensen, S.S.**, Christensen, J.H., Frohn, L.M., Brandt, J., Ketzel, M., Nielsen, O.-K., Plejdrup, M.S., Winther, M., Ellermann, T. (2021): Impacts to emissions and air quality of electric vehicles in Denmark in 2030. [24th International Transport and Air Pollution Conference](#). March 30-April 1, 2021. Webinar.
136. **Jensen, S.S.**, Brandt, J., Frohn, L.M., Ketzel, M., Winther, M., Plejdrup, M.S., Nielsen, O.-K. (2021): Kortlægning af trafikalt luftforurening og virkemiddelkatalog for Frederiksberg Kommune. Presentation. Trafikdage på Aalborg Universitet 23.-24. August 2021.
137. **Jensen, S.S.**, Løfstrøm, P., Winther, M., Frohn, L.M., Ketzel, M. (2021): Cruise ships in Danish harbours – emissions, air quality and health effects. Conference on Shore Power for Dummies, CruiseBaltic, Malmö, October 25, 2021. Invited speaker.
138. **Jensen, S.S.**, Løfstrøm, P., Winther, M., Frohn, L.M., Ketzel, M. (2022): Cruise ships in Danish ports – emissions, air quality and health effects. Air Quality Conference, Thessaloniki, Greece, June 27- July 1, 2022.
139. **Jensen, S.S.**, Ketzel, M., Khan, J., Valencia, V.H., Brandt, J., Christensen, J.H., Frohn, L.M., Nielsen, O.-K., Plejdrup, M.S., Ellermann, T. 2022. Luften på din vej 2.0 – et luftforureningskort for alle adresser i Danmark. Trafikdage på Aalborg Universitet, 22.-23. august 2022. Aalborg.
140. **Jensen, S.S.**, Christensen, J.H., Ye, Z., Frohn, L.M., Geels, C., Andersen, M.S., Nielsen, O.-K., Nordstrøm, C.

2023. Study on air quality levels compared to WHO Guidelines in different Nordic Cities Saltsjöbaden Workshop, March 13-15, 2023 in Gothenburg.
141. **Jensen, S.S., Ketznel, M., Khan, J., 2023.** Kortlægning af luftkvalitet og befolkningseksponering langs statsvejene i Danmark. Trafikdage på Aalborg Universitet, 22.-23. august 2023. Aalborg.
 142. **Jensen, S.S., 2023.** Estimering af helbredseffekter og eksterne omkostninger af brændeovne i Danmark. Ren Luft Konference 2023, 2. november 2023, Teknologisk Institut, Aarhus.
 143. Ketznel, M., Andersen, C., Khan, J., **Jensen, S.S., 2024.** Extending the application range of the parameterised street canyon model OSPM. HARMO22. 22nd International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, 10-14 June 2024, Tartu, Estonia.

Other scientific presentations

1. **Jensen, S.S. (2000d):** Traffic Air Pollution Modelling and Traffic Air Pollution, Human Exposure and Health. Centre for Transport Research on Environmental and Health Impacts and Policy (TRIP) seminar, 5-6 December 2000.
2. **Jensen, S.S. (2001):** Modelling af personlig eksponering for luftforurening fra trafik vha. GPS (Modelling of personal exposure to traffic air pollution using GIS). Center for Miljø og Luftveje under SMP. Centerdage 15-16 januar 2001.
3. **Jensen, S.S. (2001):** Air Pollution and Human Exposure. Danish – Swedish Research Seminar 11-12 June 2001. Organiser Øforsk.
4. **Jensen, S.S., Hvidberg, M., Brocas, M., Berkowicz, R., Kousgaard, U., Hertel, O., Ketznel, M. (2004):** A Modelling System for Traffic AQ, Human Exposure and Health Impacts. Centre for Transport Research on Environmental and Health Impacts and Policy (TRIP) seminar, 27-28 January 2004.
5. **Jensen, S.S., Berkowicz, R., Hvidberg, M., Ketznel, M., Hertel, O., Brandt, J. (2006):** The application of the OSPM model in Danish air pollution epidemiological studies. Invited speaker at workshop at Columbia University, New York, USA. September 28-29, 2006.
6. **Jensen, S.S., Berkowicz, R., Hvidberg, M., Ketznel, M., Hertel, O., Brandt, J. (2006):** The application of the OSPM model in Danish air pollution epidemiological studies. Invited speaker at presentation seminar at University of Washington, Seattle, USA. October 9, 2006.
7. **Jensen, S.S., Berkowicz, R., Hvidberg, M., Ketznel, M., Hertel, O., Brandt, J. (2007):** A Danish operational air pollution system for exposure assessment in epidemiological studies. Invited speaker at presentation seminar at United States Environmental Protection Agency, Region 10 Office, Seattle, USA, June 11, 2007.
8. **Jensen, S.S., Larson, T., Kaufman, J., Deepti KC (2007):** Validation of a Deterministic Approach to Exposure Assessment of Traffic Air Pollution in New York City in the US Multi-Ethnic Study of Atherosclerosis. Invited speaker at presentation seminar at University of Washington, Seattle, USA. September 10, 2007.
9. **Jensen, S.S., Brandt, J., Andersen, M.S., Plejdrup, M.S., Nielsen, O.K. (2016):** Cosy but Deadly - Health Impacts and Related External Costs of Air Pollution of Wood Stoves in Denmark. Seminar at Department of Environmental Science, Aarhus University, April 19, 2016.
10. **Jensen, S.S., Ketznel, M., Brandt, J., Becker, T., Christensen, J., Plejdrup, M.S., Winther, M., Nielsen, Ole-Kenneth, Hertel, O., Ellermann, T., Morten Fuglsang (2016):** Air Quality at your Street - An air quality map for all addresses in Denmark. Presentation for the Danish EPA, August 11, 2016.

Science-based advisory reports in English:

1. **Jensen, S.S. (1997):** Standardised Traffic Inputs for Use in the Operational Street Pollution Model (OSPM), NERI Technical Report No. 197, 1997. 54 p.
2. **Jensen, S.S. (1998a):** Background Concentrations for Use in the Operational Street Pollution Model (OSPM), NERI Technical Report No. 234. 1998. 107 p.
3. **Jensen, S.S., Berkowicz, R., Winther, M., Palmgren, F. & Zlatev, Z. (2000):** Future Air Quality in Danish Cities. Impact Study of the New EU Vehicle Emission Standards. Danish Environmental Protection Agency. 89 pp. - Environmental Project 527 (Online). Available: <http://www.mst.dk/Default.asp?Sub=/udgiv/publications/2000/87-7944-092-4/html/>. (visited January 29, 2001).
4. **Jensen, S.S. (2001):** Series of background studies to provide input into the development of an air quality management strategy for the Province of Gauteng, South Africa. Traineeship report to Danced. National

Environmental Research Institute. Only available as PDF file at

http://www.dmu.dk/1_viden/2_Publikationer/3_Ovrige/rapporter/Sydafrika%204373.pdf

5. Sivertsen, B. & **Jensen, S.S.** (2001): Task 5; Pilot Project Procedures. Assistance to Romania on Transposition and Implementation of EU Ambient Air Quality Directives. NILU OR 45/2001, August 2001. Rapporten er kun tilgængelig elektronisk efter tilladelse fra Douglas Clark, COWI, email drc@cowi.dk
6. **Jensen, S.S.** (2001): Mission Report 1 from NERI. Assistance to Romania on Transposition and Implementation of EU Ambient Air Quality Directives. NERI report no. 151. September 2001. Rapporten er kun tilgængelig elektronisk efter tilladelse fra Douglas Clark, COWI, email drc@cowi.dk.
7. **Jensen, S.S.** (2002): Mission No. 2, Report from NERI. Collection and Preparation of Input data for AQ Modelling. Assistance to Romania on Transposition and Implementation of EU Ambient Air Quality Directives. Report No. IDAQ-84. December 2001. Rapporten er kun tilgængelig elektronisk efter tilladelse fra Douglas Clark, COWI, email drc@cowi.dk.
8. **Jensen, S.S.** (2002): Mission No. 3, Report from NERI. Preliminary Assessment based on AQ Modelling. Assistance to Romania on Transposition and Implementation of EU Ambient Air Quality Directives. Report No. IDAQ-85. March 2002. Rapporten er kun tilgængelig elektronisk efter tilladelse fra Douglas Clark, COWI, email drc@cowi.dk.
9. **Jensen, S.S.** (2002): Mission No. 4, Report from NERI. Sinaia Workshop and Finalising AQ Modelling. Assistance to Romania on Transposition and Implementation of EU Ambient Air Quality Directives. Report No. IDAQ-89. May 2002. Rapporten er kun tilgængelig elektronisk efter tilladelse fra Douglas Clark, COWI, email drc@cowi.dk.
10. **Jensen, S.S.** (2002): Long-term Plans for Improvement of AQ Modelling. Assistance to Romania on Transposition and Implementation of EU Ambient Air Quality Directives. Report No. IDAQ-22. May 2002. Rapporten er kun tilgængelig elektronisk efter tilladelse fra Douglas Clark, COWI, email drc@cowi.dk.
11. **Jensen, S.S.**, Mocioaca, M.G., Zizu, D., Hotoiu, C., Deneanu, A., Balaceanu, C., Mihalcea, I., Ganea, C. (2002): Task 5.4 Preliminary Assessment based on AQ Modelling for Ploiesti Pilot Region. Assistance to Romania on Transposition and Implementation of EU Ambient Air Quality Directives. Report No. IDAQ-xx. xxx 2002. Rapporten er kun tilgængelig elektronisk efter tilladelse fra Douglas Clark, COWI, email drc@cowi.dk.
12. Sivertsen, B., **Jensen, S.S.**, Serban, R. (2002): Guidelines for Preliminary Air Quality Assessment. Assistance to Romania on Transposition and Implementation of EU Ambient Air Quality Directives. IDAQ-17, September 2002. English edition. Rapporten er kun tilgængelig elektronisk efter tilladelse fra Douglas Clark, COWI, email drc@cowi.dk
13. Sivertsen, B., Clark, D., **Jensen, S.S.** (2002): Preliminary Assessment of Air Quality in the Ploiesti Agglomeration. Assistance to Romania on Transposition and Implementation of EU Ambient Air Quality Directives. IDAQ-21, October 2002. 182 p. English edition. Rapporten er kun tilgængelig elektronisk efter tilladelse fra Douglas Clark, COWI, email drc@cowi.dk
14. **Jensen, S.S.** (2002): Training Needs and Data Gaps for Air Quality Modelling. Mission 1 October 1-12, 2001. Assistance to Latvia on Implementation of the EU Ambient Air Quality Directive. February 2002. Rapporten er kun tilgængelig elektronisk efter tilladelse fra Allan Bang, DTC, email abj@dtc.dk.
15. **Jensen, S.S.** (2002): Project Procedures for Air Quality Modelling. Mission 2 January 21 – February 1, 2002. Assistance to Latvia on Implementation of the EU Ambient Air Quality Directive. February 2002. Rapporten er kun tilgængelig elektronisk efter tilladelse fra Allan Bang, DTC, email abj@dtc.dk.
16. **Jensen, S.S.** (2002): Evaluation of Air Quality Modelling data for preliminary assessment. Mission 3 April 10 – 19, 2002. Assistance to Latvia on Implementation of the EU Ambient Air Quality Directive. April 2002. Rapporten er kun tilgængelig elektronisk efter tilladelse fra Allan Bang, DTC, email abj@dtc.dk.
17. **Jensen, S.S.** (2002): Baltic workshop and finalising preliminary assessment. Mission 4 June 13 – 21, 2002. Assistance to Latvia on Implementation of the EU Ambient Air Quality Directive. April 2002. Rapporten er kun tilgængelig elektronisk efter tilladelse fra Allan Bang, DTC, email abj@dtc.dk.
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 46. **Jensen**, S.S., Ketzel, M., Khan, J., Brandt, J., Christensen, J., Frohn, L.M., Geels, C., Andersen, M.S., Nielsen, O.-K., Plejdrup, Winther, M., Ellermann, T. (2022): Luftforurening i Danmark og hvordan den kan forbedres. Det Nationale Luftpartnerskab, København, 1. september 2022. Inviteret foredrag.
 47. Frohn, L.M., Geels, C., Brandt, J., Andersen, M.S., Christensen, J., Nielsen, O.-K., Plejdrup, Ellermann, T., **Jensen**, S.S. (2022): Helbredseffekter af partikler i udemiljøet. Presentation by Steen Solvang Jensen. Temadag om partikler og støv. Sundhedsstyrelsens Rådgivende Videnskabelige Udvalg for Miljø og Sundhed. Det Nationale Forskningscenter for Arbejdsmiljø. 7. September 2022.
 48. **Jensen**, S.S., Ellermann, T., Frohn, L.M., Geels, C., Brandt, J., Andersen, M.S., Christensen, J., Ketzel, M., Khan, J., Nielsen, O.-K., Plejdrup, M.S. (2022): Luftforurening i Danmark og dens helbredsmæssige konsekvenser. Inviteret foredrag til fyraftensmøde for Læger i Region Nordjylland, 27. september 2022, Aalborg.
 49. **Jensen**, S.S. Hvordan reducerer vi luftforureningen fra trafik og brændeovne? Sund Luft konference. Offentlig møde den 15.5.2023. Arrangeret af IDA Grøn Teknologi, Københavns Universitet og Challenge-programmet Dataforgood.science., Rådet for Grøn Omstilling i samarbejde med IDA Miljø.
 50. **Jensen**, S.S., 2023. Paneldeltager på Folkemødet på Bornholm under emnet "Går luftkvaliteten op i røg?". J12-RP Talk, J – Kæmpestranden. Allinge, Bornholm, 16. juni 2023 kl. 12.30-13.30.
 51. **Jensen**, S.S., Geels, C., Frohn, L.M., Brandt, J., Christensen, J.H., Andersen, M.S., Sigsgaard, T., Ellermann, T., Nielsen, O.-K., Plejdrup, M.S. (2023): Estimering af helbredseffekter og eksterne omkostninger af brændeovne i Danmark. Ren Luft Konference, Teknologisk Institut, Aarhus, 2. november 2023.

Network indicators

Advisory scientific committees:

1. Member of expert committee on air pollution and health effects for Municipality of Copenhagen, Health Care Administration (Sundheds- og Omsorgsforvaltningen), 2021-2023
2. Member of Danish Health Authority Advisory Scientific Committee on Environmental Health (Sundhedsstyrelsens Rådgivende Videnskabelige Udvalg for Miljø og Sundhed), 2020-
3. Program Committee of Traffic Conference at Aalborg University, Denmark (2010-present).
4. Expert panel member for ambient air quality for evaluation of city applications for the European Green Capital Award 2014, 2015, 2016, and 2017 cycles for the EU Commission (2012-2015).
5. Steering Committee member for the project 'Urban Environmental Policies'. Danish Environmental Protection Agency. 2001-2004.
6. Vision Group member for the project "The Future Cars and Fuels". Danish Board of Technology. 1999-2002.
7. Steering Committee member for the project "Environmentally Adapted Through Roads and Traffic Emissions". Danish Road Directorate. 1996-97.

Organisational committees at Aarhus University:

Co-Head of Research Committee, Department of Environmental Science, Aarhus University, 2015-2017.

Member of Business Committee, Department of Environmental Science, Aarhus University, 2015-2016.

Member of Public Sector Consultancy Committee, Department of Environmental Science, Aarhus University, 2012-2019.

Sabbatical:

Visiting Scientist at the University of Washington, Department of Civil & Environmental Engineering, Seattle, USA academic year 2006/2007 (September 1, 2006 to September 20, 2007). Research collaboration with Professor Timothy V. Larson on improving methods for assessment of human exposure in air pollution epidemiology.

Memberships:

International Society of Exposure Science (ISES).

Danish Society of Engineers (IDA).

Reviewer for journals:

Reviewer for the journals of Air & Waste Management Association; Atmospheric Environment; Atmospheric Chemistry and Physics, Transportation Research Part D: Transport and Environment; Transportation Research Part A: Policy and Practice; Environmental Modelling and Software; Journal Of Exposure Science And Environmental Epidemiology; Environment, Science of the Total Environment; Development and Sustainability; Sustainability; Environment and Waste Management; International Journal of Environmental Research and Public Health; Environmental Engineering and Management; Open Environmental Engineering.

Reviewer for research funding:

National Science Foundation in USA, Irish Environmental Protection Agency (ERTDI programme), Norwegian Research Council. Medical Research Council (MRC) in UK, Appointed as reviewer for EU FP7.

PhD main advisor and co-advisor

PhD main advisor for Mr. Ahmed Ali, MSc (Eng) on the subject of 'The role of Renewable Energies (RE) in electrification expansion through Sub-Saharan Africa: The case study of Tanzania'. December 2015 – December 2018. Anders Branth Pedersen is co-advisor. Enrolled at Aarhus University.

PhD co-advisor for Mr. Helry Luvillany Fontenele Dias, MSc (Eng) on the subject 'Methodology for Air Pollution Impact Assessment of Low Emission Zones in Urban Areas of Brazil -The Case Study of Fortaleza', August 2017 to March 2018. Enrolled at Federal University of Ceara, Brazil, under a Brazilian PhD program.

PhD co-advisor for Mr. Jibran Khan, MSc (Space Science) on the subject of 'Air Quality Exposure Modeling System'. January 2016 - January 2019. Matthias Ketzel is main advisor. Enrolled at Aarhus University.

PhD co-advisor for Mr. Ngo Tho Hung, MSc (Eng) on the subject of 'Air Pollution Modelling and Management of Urban Air Environment in Vietnamese Context'. April 2007- November 2010. Ngo Tho Hung was located at NERI and enrolled at the University of Roskilde with professor Henning Schroll as main advisor.

Participation in PhD assessment committees:

External examiner at PhD defence December 15, 2003 at the Technical University of Denmark, Copenhagen. Alik Georgakaki defending the PhD thesis 'Energy Consumption and Air Pollutant Emissions from Rail and Maritime Transport. Focus on Inland Shipping'.

External examiner at PhD defence on January 11, 2010 at Lund University, Sweden. Emilie Stroh defending the PhD thesis 'The Use of GIS in Assessing Exposure to Airborne Pollutants'.

External examiner at PhD defence on June 26, 2012 at Trinity College Dublin, University of Dublin. Francesco Pilla defending the PhD thesis 'A GIS model for personal exposure to PM10 for Dublin commuters'.

External examiner at PhD defence on September 24, 2018 for Mr. Helry Luvillany Fontenele Dias on the subject 'Methodology for Air Pollution Impact Assessment of Low Emission Zones in Urban Areas of Brazil -The Case Study of Fortaleza'. Enrolled at Federal University of Ceara, Brazil.

Visiting Scientists and internships

Supervision of PhD student Thibaud Sarica from CEREAs/Ecole des ponts, ParisTech in France from August 23 to September 24, 2021 working with street-scale air quality modelling.

Supervising of Bruno Durin from University of Toulouse, April 5 to June 24, 2017, on biogas leakages from well to wheel and GHG emissions from production and use of biogas for transport.

Supervising Hicran Altug from the Anadolu University, Department of Environmental Engineering, Eskisehir Turkey June 15-27, 2008 on air quality and human exposure modelling.

Supervising Muriel Brocas from the University of Toulouse, France. February 2003 to February 2004. As international volunteer scientists and researchers. Agreement between the Danish and French Government.

External examiner for master programmes:

External examiner for master programme in engineering at the University of Aalborg, Institute of Development and Planning, Denmark (2000-2006).

External examiner on September 17, 2018 at master thesis defence for Linda Poppe at the University of Copenhagen on the subject of 'Assessing personal exposure to traffic-related air pollutants in a spatial agent-based model.

Organiser of workshops and seminars:

AIRESUND workshop. Organisation of a 2-day Danish-Swedish research workshop (11-12 June 2001) with the purpose to prepare a detailed project proposal for the AIRESUND project. The objective of the AIRESUND project is to develop a system for handling integrated information relating to air pollutants, traffic and population that will make it possible to calculate real-time estimates of the air quality in the Öresund Region as well as the exposure to the population. Furthermore, methods will be developed for continuous and efficient dissemination of this information to the public and local decision makers. (<http://www.miclu.lu.se/airesund/airesund.htm>).

Organiser of symposia together with Dr. Kai Elgethun, Texas A&M University, USA about 'Human Tracking Technologies for Exposure Analysis' at the International Conference on Environmental Epidemiology & Exposure (ISEE/ISEA) September 2 – 6, 2006, la Villette Conference Centre, Paris.

Seminar on methods to quantify health impacts and social costs of air pollution in selected projects under the Danish Strategic Research Council. December 5, 2008, NERI, Roskilde.

Teaching experience:

Contribution to course at the Department of Engineering, Aarhus University on air pollution and health effects of different sources and energy and air pollution. Naviatas, Aarhus November 17, 2023.

Four lectures in course on Environmental Governance at Local Level. A course organised by Aarhus University funded by Danida. Lectures on Introduction to air pollution management, Information to the public about air quality, Conflict case between local government and state, and Discussion of implementation issues. September 15, 2022 and repeated April 20, 2023. Emdrup Campus, Aarhus University.

Half day course as part of five day PhD course on “Modelling, Methods and Technologies for Air Quality Control” under in the COST Action Td1105 EuNetAir at Aarhus University, Emdrup Campus, April 18-22, 2016 (5 ECTS). Lectures on air pollution management. One exercise: Hands-on exercise with the OSPM model.

2 x 3 hours class room teaching on air pollution meteorology and air pollution modelling as part of the postgraduate course Atmospheric Environment at Aarhus University in Spring 2012 (5 ECTS) and Spring 2013 (5 ECTS).

One day course as part of five day PhD course in Air Pollution – Science and Management at Roskilde University, Denmark September 13-17, 2010, 2013 and 2014 (5 ECTS). Four lectures: Air Pollution Management; Air Pollution Assessment; Reduction Strategies and Impact Studies; and External Cost of Air Pollution. Two exercises: Hands-on exercise with the OSPM model; and Air Quality Strategy for Copenhagen.

One lecture as part of a course on Air Quality Modelling at the University of Washington, Seattle, USA with the title: Introduction to the Operational Street Pollution Model (OSPM). May 21, 2007.

One lecture as part of a course on Air Quality Management at the University of Washington, Seattle, USA with the title: The application of the OSPM model in Danish air pollution epidemiological studies. February 21, 2007.

Lecture on ‘Modelling personal exposure to Traffic Air Pollution using GIS for use in air pollution epidemiology’ and ‘Tutorial discussion of exposure assessment’ as part of PhD course on ‘Air Pollution and Health’ March 20-24, 2006. PhD course organised by institute of Public Health, University of Copenhagen as part of the AIRPOLIFE project.

Course in Assessment and Management of Traffic Air Pollution as part of course for students within planning at the University of Aalborg, Denmark. November 10, 2005. Two lectures about introduction to air pollution, environmental and health effects, air quality models, management of air pollution, together with hands-on exercises in application of the OSPM model.

Assistance to Mr Ghufuran Redzwan (PhD), University of Malaya, Kuala Lumpur, Fmiljøbi, in development of a teaching module on Air Pollution for M.Sc and M.Sc. (eng) in the field of environmental studies. Under the DUCED programme. 2002.

Two lectures about ‘Introduction to the OSPM model’ and ‘Application of the OSPM model’ as part of a course in Road Traffic Techniques at Centre for Traffic and Transport, Technical University of Denmark May 6, 2002.

Participation in the organisation of the course and eight lectures within air pollution during a course on “Traffic Noise and Air Pollution” held by the In-Service Courses of the Danish Road Sector (VEJ-EU) during 12-14 May 1998.

1. Introduction to air pollution
2. Vehicles, EU regulation and the future
3. Health effects of traffic air pollution with a focus on particles
4. Air quality standards and national targets
5. Monitoring of air pollution
6. AirGIS - a future decision-support tool for air quality planning
7. Emissions from different means of transport
8. National programmes within air pollution.

Participation in the organisation of five seminars within “Transport and the Environment” held at University of Roskilde, Department of Environment, Technology and Social Studies during October and November 1995. Gave one lecture on “Environmental Problems in the Transport Sector”.

Organisation of courses, topic days etc.

Course leader for a two-week training course on Air Quality Modelling, Assessment and Management. For 11 Romanians under the project Assistance to Romania on Transposition and Implementation of the EU Ambient Air Quality Directives. Held at NERI September 8-22, 2001.

Course leader for a two-week training course on Air Quality Modelling, Assessment and Management. For 7 Latvians under the project Assistance to Latvia on Implementation of the EU Ambient Air Quality Directives. Held at NERI November 5-17, 2001.

Course leader for 3-day study tour on Danish Air Quality Assessment and Management Experience for seven Latvian environmental politicians and specialists from the Riga City Council and the Latvian Hydrometeorological Agency. Held at NERI April 3-5, 2002.

Course organiser for a course on Spatial Suite – a WebGIS solution for internet and intranet. 2-day course at Aarhus University, Roskilde conducted by Sweco. October 28 and November 4, 2016.

Course leader and conducting a two-day workshop on modelling of air pollution in Denmark with focus on traffic, December 12-13, 2016 in Beijing. Funded by Danish EPA.

Course organiser for a customised three-month course on air quality modelling for 10 air pollution specialists from China during September 18 to December 8, 2017. Including 2-week intensive lectures and exercises on air quality modelling and 10 weeks of project work applying air quality models. Funded by Danida.

Continuing education

How to write a competitive proposal for Framework 7 (2009):

Pre-leader course for State employees. Four modules in 2009. (In Danish: Statslig førleder kursus).

Professional postgraduate training courses in teaching. Four modules in 2011-2012 at Aarhus University: Introduction (1), Group Teaching (2), Go Online (3), and Teaching Portfolio (4).

PhD Supervision, September 2-3, 2015. PhD School of Aarhus University, Science and Technology (GSST).

R course (software for statistical analysis with focus on the Open Air package by David Carslaw, University of York, UK). December 14-16, 2015. Internal course at Aarhus University.

Course in management of meetings. Internal course at Aarhus University April 21, 2015.

Course on media training, September 28-29, 2016, Sandbjerg Gods. Organised by Danish Centre for Environment and Energy (DCE), Aarhus University with external lecturers.

Course on Spatial Suite – a WebGIS solution for internet and intranet. 2-day course at Aarhus University, Roskilde. October 28 and November 4, 2016.

Course on Compelling Presentations. 2-day course with individual coaching by Claus Adam Jarløv from Global Denmark. October 12 and 26, 2018.

Course on machine learning, Sømimestationen May 9, 2023. Organised by Department of Environmental Science, Aarhus University.

Course on ChatGPT og Generativ AI. IDA Learning. February 27, 2024, Copenhagen.

Course on How to lead inclusive, engaging and effective meetings. TECH-Aarhus University, Aarhus April 18, 2024.

Course on AI for Academic Research and Writing. May 31, 2024, Roskilde. Organised by Department of Environmental Science, Aarhus University.

Mentoring

Mentor for mentee as part of mentor programme at Aarhus University 2013-2014.